

RECEIVED

FEB 04 2004



**Certificate of Mailing 37 C.F.R. §1.8(a)**

TECH CENTER 1600/2900

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to MAIL STOP NON-FEE AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Name of Person Signing Certificate:

Catherine M. Bonner

Date

Jan 26, 2004

Signature

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Named Inventor: Cesare Peschle

§  
§  
§  
§  
§  
§  
§  
§

Conf. No.: 3808

§ Group Art Unit: 1644

Appln. No.: 10/007,574

§ Examiner: Michail A. Belyavskiy

Filing Date: November 9, 2001

§ Attorney Docket No.: 9855-26U3

Title: COMPOSITIONS AND METHODS FOR GENERATING DIFFERENTIATED HUMAN CELLS

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)**

Enclosed are copies of each of the documents listed on the attached Information Disclosure Citation Forms PTO/SB/08A, which may be material to the patentability of this application and/or for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

The filing of this Information Disclosure Statement shall not be construed as an admission that any of the listed documents constitutes prior art, nor as an admission against interest in any manner.

Also enclosed is our check in the amount of \$180.00 pursuant to 37 C.F.R. §1.97(c)(2) and 37 C.F.R. §1.17(p). The Commissioner is hereby authorized to charge any deficiencies or credit any overpayments to Deposit Account No. 50-1017.

02/02/2004 HDERESS1 00000027 10007574

01 FC:1806

180.00 DP

It is respectfully requested that this Information Disclosure Statement and the documents listed on the attached Forms PTO/SB/08A be considered and acknowledged by the Examiner in connection with the above-identified patent application, be made of record therein, and that the listed document(s) be cited in the issued patent.

Respectfully submitted,

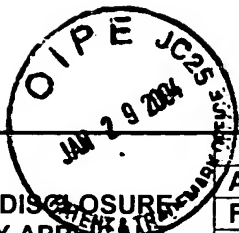
Cesare Peschle

16 January 2004  
(Date)

Kristyne A. Bullock  
Kristyne A. Bullock  
Attorney/Agent for Applicant(s)  
Registration No. 42,371  
Direct Dial: 215-965-1348  
E-Mail: kbullock@akingump.com

Akin Gump Strauss Hauer & Feld LLP  
One Commerce Square  
2005 Market Street, Suite 2200  
Philadelphia, PA 19103  
Telephone No.: 215-965-1200  
Fax No.: 215-965-1210

KAB:cmb  
Enclosures  
7128458



RECEIVED  
FEB 04 2004  
TECH CENTER 1600/2900

Form PTO/SB/08A		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Application Number</b>	10/007,574		
		<b>Filing Date</b>	November 9, 2001		
		<b>First Named Inventor</b>	Cesare Peschle		
		<b>Group Art Unit</b>	1644		
		<b>Examiner Name</b>	Michail A. Belyavskiy		
<b>Sheet</b>	1	<b>of</b>	4	<b>Attorney Docket Number</b>	9855-26U3

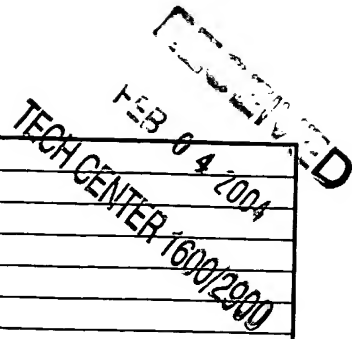
U.S. PATENT DOCUMENTS				
Exr Initials	U.S. Patent Document		Name of First Inventor of Cited Document	Date of Publication of Cited Document MM-YYYY
	Number	Kind Code (if known)		
	5,023,243	A	Tullis	06-1991
	5,034,506	A	Summerton, et al.	07-1991
	5,168,053	A	Altman	12-1992
	5,190,931	A	Inoue	03-1993
	5,747,651	A	Lemischka	05-1998
	5,851,999	A	Ullrich et al.	12-1998
	5,912,133	A	Lemischka	06-1999

FOREIGN PATENT DOCUMENTS						
Exr Initials	Foreign Patent Document			Name of Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY	T <sub>1</sub>
	Country Code	Number	Kind Code (if known)			
	WO	94/17810			08-1994	
	WO	94/23744			10-1994	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exr Initials	Include Name of first Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), volume-issue number(s), page(s), date (in parentheses). If a book, also include publisher and city and/or county where published.	T <sub>1</sub>
	Sato et al., 1999, Blood, 94:2548-2554	
	Almeida-Porada et al., 1998, Exp. Hematol. 26:749	
	Applebaum et al., 1992, Blood 80:1608-1613	
	Ashara et al., 1997, Science 275:964-967	
	Bensinger et al., 1996, Blood 88:4132-4138	
	Berenson et al., 1991, Blood 77:1717-1722	
	Berenson et al., J. Clin. Invest. 81:951-955	
	Bhatia et al., 1998, Nature Med . 4:1038-1045	
	Bhatia et al., 1997, Proc. Natl. Acad. Sci. U.S.A. 94:5320-5325	
	Bird et al., 1988, Science 242:423-426	
	Bock et al., 1995, J. Exp. Med. 182:2037-2043	
	Brandt et al., 1990, J. Clin. Invest. 86:932-941	
	Breems et al., 1996, Blood 87-5370-5378	
	Carè et al., 1999, Oncogene 18:1993-2001	
	Cech et al., 1992, J. Biol. Chem. 267:17479-17482	
	Conneally et al., 1997, Proc. Natl. Acad. Sci. U.S.A. 94:9836-9841	

<b>Examiner Signature</b>		<b>Date Considered</b>	
---------------------------	--	------------------------	--

T<sub>1</sub> - Place a check mark if complete document is in English; otherwise, place a letter "A" if only an English abstract is attached.



Form PTO/SB/08A		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Application Number</b>	10/007,574		
		<b>Filing Date</b>	November 9, 2001		
		<b>First Named Inventor</b>	Cesare Peschle		
		<b>Group Art Unit</b>	1644		
		<b>Examiner Name</b>	Michail A. Belyavskiy		
<b>Sheet</b>	2	<b>of</b>	4	<b>Attorney Docket Number</b>	9855-26U3

U.S. PATENT DOCUMENTS				
Exr Initials	U.S. Patent Document		Name of First Inventor of Cited Document	Date of Publication of Cited Document MM-YYYY
	Number	Kind Code (if known)		

FOREIGN PATENT DOCUMENTS						
Exr Initials	Foreign Patent Document			Name of Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY	T <sub>1</sub>
	Country Code	Number	Kind Code (if known)			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		T <sub>1</sub>
Exr Initials	Include Name of first Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), volume-issue number(s), page(s), date (in parentheses). If a book, also include publisher and city and/or county where published.	
	Cech, 1988, J. Amer. Med. Assn. 260:3030	
	Choi et al., 1998, Development 125:725-732	
	Civin et al., 1996, Blood 88:4102-4109	
	Cranage et al., 1986, EMBO J. 5:3057-3063	
	Ferrari et al., 1998, Science 279:1528-1530	
	Flamme et al., 1992, Development 116:435-439	
	Gabbianelli et al., 1995 Blood 86:1661-1670	
	Gabbianelli et al., 1990, Science 249:1561-1564	
	Gabrilovich et al., 1998 Blood 92:4150-4166	
	Garcia-Ojeda et al., 1998, J. Exp. Med. 187:1813-1823	
	Goodell et al., 1996, J. Exp. Med. 183:1797-1806	
	Guerriero et al., 1995, Blood 86:3725-3736	
	Hampel et al., 1989, Biochemistry 28:4929-4933	
	Hao et al., 1996, Blood 88:3306-3313	
	Huston et al., 1988, Proc. Natl. Acad. Sci. U.S.A. 85:5879-5883	
	Johnson et al., 1996, Blood 88:629a	
	Kabrun et al., 1997, Development 124:2039-2048	
	Katoh et al., 1995, Cancer Res. 55:5687-5692	
	Kawashim et al., 1996, Blood 87:4136-4142	
	Kay et al., 1994, T.I.G. 10:253-257	
	Kennedy et al., 1997, Nature 386:488-492	
	Labbaye et al., 1995, J. Clin. Invest. 95:2346-2358	
	Larochelle et al., 1996, Nature Med. 2:1329-1337	
	Matthews et al., 1991, Proc. Natl. Acad. Sci. USA 88:9026-9030	

<b>Examiner Signature</b>		<b>Date Considered</b>	
---------------------------	--	------------------------	--

T<sub>1</sub> - Place a check mark if complete document is in English; otherwise, place a letter "A" if only an English abstract is attached.



RECEIVED  
FEB 04 2004  
TECH CENTER 1600/2900

Form PTO/SB/08A

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 of 4

**Complete if Known**

Application Number 10/007,574  
Filing Date November 9, 2001  
First Named Inventor Cesare Peschle  
Group Art Unit 1644  
Examiner Name Michail A. Belyavskiy  
Attorney Docket Number 9855-26U3

**U.S. PATENT DOCUMENTS**

Exr Initials	U.S. Patent Document		Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY
	Number	Kind Code (if known)		

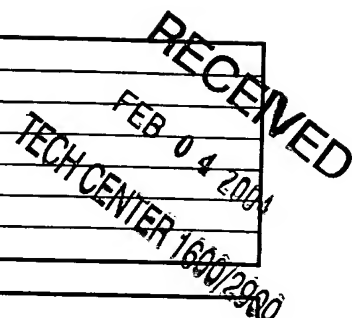
**FOREIGN PATENT DOCUMENTS**

Exr Initials	Foreign Patent Document			Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY	T <sub>1</sub>
	Country Code	Number	Kind Code (if known)			

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Exr Initials	Include Name of first Author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), volume-issue number(s), page(s), date (in parentheses). If a book, also include publisher and city and/or county where published.	T <sub>1</sub>
	Marcus-Sakura, 1988, Anal. Biochem. 172:289	
	Miraglia et al., 1997, Blood 90:5013-5021	
	Morrison et al., 1997, Cell 88:287-298	
	Nielson et al., 1991, Science 254:1497	
	Nishikawa et al., 1998, Development 125:1747-1757	
	Nolta et al., 1994, Blood 83:3041-3047	
	Ogawa et al., 1993, Blood 81:2844-2853	
	Orlic and Bodine, 1994, Blood 84:3991-3994	
	Osawa et al., 1996, Science 273:242-245	
	Petersen et al., 1999, Science 284:1168-1170	
	Ogawa et al., 1993, Science 259:1896-1899	
	Pittenger et al., 1999, Science 284:143-147	
	Risau et al., 1995, Ann. Rev. Cell. Dev. Biol. 11:73-91	
	Shalaby et al., 1995, Nature 376:62-66	
	Shalaby et al., 1997, Cell 89:981-990	
	Sutherland et al., 1990, Proc. Natl. Acad. Sci. U.S.A. 87:3584-3588	
	Sutherland et al., 1996, Exp. Hematol. 24:795-806	
	Terman et al., 1991, Oncogene 6:1677-1683	
	Testa et al., 1996, Blood 88:3391-3406	
	Uchida et al., 1996, Blood 88:1297-1305	
	Valtieri et al., 1994, Cancer Res. 54:4398-4404	
	van der Loo and Ploemacher, 1995, Blood 85:2598-2606	
	Verma et al., 1997, Nature 389:239-242	
	Verstegen et al., 1998, Blood 91:1966-1976	
	Wang et al., 1997, Blood 89:3919-3924	
	Warburton et al., 1991, Genomics 11:324-333	
Examiner Signature		Date Considered

T<sub>1</sub> - Place a check mark if complete document is in English; otherwise, place a letter "A" if only an English abstract is attached.



Form PTO/SB/08A				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/007,574
				Filing Date	November 9, 2001
				First Named Inventor	Cesare Peschle
				Group Art Unit	1644
				Examiner Name	Michail A. Belyavskiy
				Attorney Docket Number	9855-26U3
Sheet	4	of	4		

U.S. PATENT DOCUMENTS				
Exr Initials	U.S. Patent Document		Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY
	Number	Kind Code (if known)		

FOREIGN PATENT DOCUMENTS						
Exr Initials	Foreign Patent Document			Name of Inventor or Applicant of Cited Document	Date of Publication of Cited Document MM-YYYY	T <sub>1</sub>
	Country Code	Number	Kind Code (if known)			

[illegible]

T<sub>1</sub> - Place a check mark if complete document is in English; otherwise, place a letter "A" if only an English abstract is attached.